

## Operation of Wastewater Treatment Plants and Their Collection Systems

The Department of Wastewater Treatment/Disposal operates twelve (12) wastewater treatment plants and one (1) Landfill Leachate Treatment facility, as well as, their respective collection systems. Our largest wastewater treatment plant, Ballenger Creek, is staffed 24 hours per day, every day of the year. Our smaller wastewater treatment plants are visited every day, 365 days a year, to maintain compliance with each facility's National Pollutant Discharge Elimination System (NPDES) permit. Each wastewater treatment plant and its respective service area are listed in the following table.

Wastewater Treatment Plant	Design Capacity	Total Effluent Flow for Calendar Year 2009
<b>Ballenger Creek</b>	7.0 Million Gallons/Day	1.87 <u>Billion</u> Gallons
Service Area includes: Aspen, Audubon, Baldwin Estates, Ballenger Creek Meadows, Ballenger Crossing, Balmoral, Buckingham Choice, Buckingham Hills, Coldstream, Countryside, Crestwood Village, Evergreen Point, Fairwinds, Farmbrook, Foxcroft, FSK Mall, Greenhill Manor, Greens, Greenview, Hannover, Holly Hills, Jug Bridge, Kingsbrook, Lake Anita Louise, Liberty East, Liberty Village, Libertytown, Meadows, Mountain Village, Nightingale, North Shore, Pinecliff, Pinehurst, Preston, Robin Meadows, River Oaks, Saddleridge, Spring Ridge, Stonebridge, Stuart Mechanic, Summerfield, Urbana Highlands, Villages of Urbana, Wellington Trace, Westview Park, Westwinds, Winding Ridge, Woodridge subdivisions.		
<b>Crestview</b>	0.036 Million Gallons/Day	16.1 Million Gallons
Service Area includes: Crestview Estates		
<b>Fountaindale</b>	0.250 Million Gallons/Day	45.6 Million Gallons
Service Area includes: Fountaindale North and South including Crest Manor Estates		
<b>Jefferson</b>	0.300 Million Gallons/Day	62.9 Million Gallons
Service Area includes: the town of Jefferson, Briercrest, Cambridge Farms, and Copperfield		
<b>Kempton</b>	0.005 Million Gallons/Day	0.0 Million Gallons
Service Area includes: Kempton Elementary School only. Kempton WWTP suspended operation in May 2005. It has since been operated as a holding tank with no effluent discharge. During calendar year 2009, 0.3 million gallons of untreated wastewater was transported to the Ballenger Creek Wastewater Treatment Plant for treatment.		
<b>Lewistown</b>	0.022 Million Gallons/Day	1.1 Million Gallons
Service Area includes: Lewistown Elementary School and the Lewistown Volunteer Fire Company building		
<b>Mill Bottom</b>	0.100 Million Gallons/Day	22.7 Million Gallons
Service Area includes: Harvest Ridge, Manorwood, Samhill Estates		
<b>Monrovia</b>	0.200 Million Gallons/Day	31.7 Million Gallons
Service Area includes: New Market West and the planned Monrovia Industrial Park		
<b>New Market</b>	0.240 Million Gallons/Day	28.1 Million Gallons
Service Area includes: the town of New Market, the New Market shopping center, Brinkley Manor, Royal Oaks, Woodspring, Meadows at Woodspring, and the Meadows at New Market		
<b>Pleasant Branch</b>	0.100 Million Gallons/Day	18.0 Million Gallons
Service Area includes: Greenridge and Windsor Knolls		
<b>Point of Rocks</b>	0.230 Million Gallons/Day	37.7 Million Gallons

Service Area includes: Canal Run, Point of Rocks, and Train Station Overlook		
<b>White Rock</b>	0.050 Million Gallons/Day	3.8 Million Gallons
Service Area includes: White Rock		
<b>Landfill Leachate*</b>	0.144 Million Gallons/Day	34.8 Million Gallons
Service Area includes: Reichs Ford Road Landfill		
<b>Total Treated Wastewater Flow</b>		<b>2.17 <u>Billion</u> Gallons</b>

Note: \*Industrial WWTP operated for the Department of Solid Waste Management.

The Department of Maintenance maintains two (2) separate sanitary sewage collection systems that do not discharge directly into Frederick County owned or operated Wastewater treatment plants. The **Knoxville/New Addition collection system** discharges into the Town of Brunswick's sanitary sewage collection system and is ultimately treated at the Brunswick wastewater treatment plant. The **Monocacy collection system** which includes in its service area: the town of Walkersville, Discovery, Fountain Rock Manor, Colony Village, Deerfield, Gladetowne, Waterside, Dearbought, Heritage, Glade Manor, Glade Manor II, Spring Garden Estates, Worman's Mill, Cloverhill, Cloverhill II, Cloverhill III, Governor's Choice Industrial Park, Tuscarora Knolls, Willowbrook, North Crossing, Bartlett Heights, and Arrowhead flows to Frederick City's wastewater treatment plant on Gas House Pike where it can be treated on-site or diverted to Frederick County's Ballenger Creek Wastewater Treatment Plant for ultimate treatment.